

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WAD980738546	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-0300	4. Manifest Tracking Number 002544960 JJK				
5. Generator's Name and Mailing Address Alaskan Copper Works 3200 Sixth Avenue South Seattle, WA 98124 Generator's Phone: 206 382 8378			Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name STL			U.S. EPA ID Number UTR0000007708						
7. Transporter 2 Company Name			U.S. EPA ID Number						
8. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, AZ 85353 Facility's Phone: (602) 233 9168			U.S. EPA ID Number AZD980735500						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
			No.	Type					
	X	1. RQ, NA 3077, Hazardous waste, solid, n.o.s. (F000), 9, III	001	CF	1555	P	F000		
		2.							
		3.							
		4.							
14. Special Handling Instructions and Additional Information Use CHEMTREC company code "WORR"									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name GERARD A THOMPSON			Signature 			Month Day Year 03/10/08			
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:						
	Transporter signature (for exports only):								
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name WILBUR STOVER			Signature 			Month Day Year 12/10/08		
	Transporter 2 Printed/Typed Name			Signature			Month Day Year		
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	18b. Alternate Facility (or Generator)			Manifest Reference Number:					U.S. EPA ID Number
	Facility's Phone:								
	18c. Signature of Alternate Facility (or Generator)								Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H120 H039		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a									
Printed/Typed Name Sonny Rodriguez			Signature 			Month Day Year 03/17/08			

WORLD RESOURCES

07:45AM 03/17/2008

GROSS 553 lb

TARE 77 lb

NET 476 lb

ACCUM 1476 lb

03/17/2008 07:45AM

0.74

TONS

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number	
		WAD980738546	1	1-800-424-8300	002544960 JJK	
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)				
Alaskan Copper Works 3200 Sixth Avenue South Seattle, WA 98124 Generator's Phone: 206-497-8379						
6. Transporter 1 Company Name		U.S. EPA ID Number				
SIL		UTR0000007700				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address		U.S. EPA ID Number				
World Resources Company 8113 West Sherman Street Tolleson, AZ 85353 Facility's Phone: 602-233-9166		AZD980735500				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
X	1. RQ, NA 3077, Hazardous waste, solid, n.o.s. (F006), 9, III	002	CF	1555	P	F006
	2.					
	3.					
	4.					
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Use CHEMTREC company code "WRR"						
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Generator's/Offeror's Printed/Typed Name		Signature			Month Day Year	
Gerald A. Thompson		[Signature]			08/10/02	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name		Signature			Month Day Year	
[Signature]		[Signature]			08/10/02	
Transporter 2 Printed/Typed Name		Signature			Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H120		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature			Month Day Year	

Material Safety Data Sheet

MSDS ID # AZ-10-A

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, Arizona 85353-4025

Tel: 602-233-9166 Fax: 623-936-9164

January 2004 DLS

Call CHEMTREC only in the event of
emergencies during shipping that
involve a spill, leak, fire or accident
(all calls are recorded)

For Emergencies During Shipping in
the US or Canada, Day or Night,

Call: **CHEMTREC 800-424-9300**

Use CHEMTREC Company Code "WORR"

From other countries call: 703-527-3887

Section 1

Material Identification

EPA Waste Classification: F006**DOT Shipping Name:** RQ, Hazardous waste solid, n.o.s. (F006)**Generic Name:** Electroplating/Metal-Finishing Wastewater Treatment Sludge**DOT Hazard Class:** 9**Chemical**

Metallic (Hydroxide) Precipitates

DOT Packing Group: III**Family:****Synonym:** Non-ferrous Metal Hydroxide Filter Cake**DOT Identification Number:** NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2

Hazardous Ingredients

Ingredient:	CAS Number:	Content (%):	OSHA PEL (8hr TWA):	Toxicology (rat, oral):
Copper Hydroxide	20427-59-2	0 - 30	1.0 mg(Cu)/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0 - 15	1.0 mg(Ni)/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0 - 15	15.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomite	61790-53-2	0 - 10	6.0 mg/m ³ (Dust)	LD-50 Not Determined

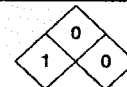
Section 3

Physical and Reactivity Data

Description: Solid, Clay-like, Gray/Green
to Brown, Moisture ~ 30 - 80%**Density:** 50 - 90 lbs/ft³
Incompatible Reactivity: None Known**Boiling Point:** Above 2,600°C**Specific Gravity:** 2.5 to 3.5**Vapor Pressure:** Insignificant**Melting Point:** Above 1,800°C**Solubility:** Insoluble in Water**Stability:** Avoid Contact with Acids**pH:** 7.0 to 10.0 **Odor:** Nil**Polymerization:** Will Not Occur

Section 4

Fire and Explosion Data

Flashpoint: Nonflammable**Oxidation:** Non-oxidizing**Special Firefighting Procedures:** None**Explosive:** Non-explosive**Decomposition (Due to Fire or Explosion):** NoneNFPA
Fire Diamond

Section 5

Toxicity

Listed Carcinogen Components: Nickel**Toxicology:** See Sec. 2**Route of Entry:** Inhalation, Ingestion

Section 6

Health Effects and First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin with prolonged contact. Wash with soap and water.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7

Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.

Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

Section 8

Control Measures

Respiratory Protection: NIOSH-MSHA approved respirators as required.**Eye Protection:** Safety glasses recommended.**Other Protective Equipment:**

Coveralls are recommended, but not required.

Hand Protection: Gloves recommended.

Section 9

Generator's Verification

This MSDS describes the material listed in the attached Manifest #:

Company Name: ALASKAN Copper WorksCompany Address: 3200 6th Ave S. Seattle WA 98134Telephone: 206-571-6033Date: 03-10-08Signature: [Signature]



WORLD RESOURCES
COMPANY

In partnership with the environment

LAND DISPOSAL
RESTRICTION NOTICE



ISO 9001:2000 & 14001 Certified Recycling Facility

F006

A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

To: **WORLD RESOURCES COMPANY** **8113 West Sherman Street, Tolleson AZ 85353-4025**

From: **COMPANY NAME:** ALASKAN COPPER WORKS **COMPANY ADDRESS:** 3200 6th Ave S, SEATTLE WA 98134

MANIFEST NUMBER: 002544960 JJK **DATE OF SHIPMENT:** 03-10-08

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
F006	non-wastewater	40 CFR §268.40

SIGNATURE:

TITLE:

ENVIRONMENTAL ASST.

NAME PRINTED:

GERALD A. THOMPSON

DATE:

03-10-08

Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does not include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added to the LDR Notice.

REFERENCE INFORMATION TOXICITY CHARACTERISTIC		APPROPRIATE ENTRY ON LDR NOTICE		
Metal	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40

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FOO6 GENERATORS

AKC-0016463

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:
Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN
EMERGENCY
RESPONSE

TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

1. Some may burn, but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "W0RR").
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

FIRE

EMERGENCY RESPONSE

Small Fires

1. Dry chemical, CO₂, water spray or regular foam

Large Fires:

1. Water spray, fog or regular foam.
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire-control water for later disposal.

Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks

SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

[illegible]

DATE _____

TO BE FILLED IN BY PURCHASING DEPT.

P.O. NUMBER

VENDOR

CONTACT

DELIVERY
PROMISEDTELEPHONE
NO.

SHIP VIA



ITEM NO.	ACCT. NO.	QUAN-TITY	UNIT	DESCRIPTION & PART NUMBERS	UNIT PRICE	TOTAL LINE ITEM PRICE
1	6686	1	LOT	TRANSPORTATION & Recycle of 1-CF F-006 SLUDGE BOX WT 1555 lbs (T)	695 ⁰⁰ PER TON	
				80FF000000 STU		

DATE _____

APPROVED BY

DATE _____

☒ HERE FOR RETURN OF YELLOW COPY

TO BE FILLED IN BY PURCHASING DEPT.

PURPOSE OR USE

P.O. NUMBER

DELIVERY NEEDED BY

VENDOR

SHIP TO ADDRESS

CONTACT

TELEPHONE
NO.**SUGGESTED
VENDOR**

**DELIVERY
PROMISED**

SHIP VIA

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